

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD0900_01_s_2013_6				
Comment Code					
Inspector Comment					
This LMA has the updated O&M manuals for the district.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD0900_01_s_2013_12				
Comment Code					
Inspector Comment					
This LMA has an adequate amount of sandbags, sand and various flood fight supplies in their possession.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				o		o
					o		o
DWR ID	DWR_RD0900_01_s_2013_16						
Comment Code							
Inspector Comment							
The crews in this LMA have taken the flood fighting training course provided by DWR.							

No Photos

LM Start	2.00	Rating **	A/W	Issue No.	1
LM End	2.25	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.559202 °	38.555462 °
				-121.517707 °	-121.516297 °
DWR ID	DWR_RD0900_01_s_2017_1				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
USACE has completed constructing a setback levee in this area and they will be turning over this portion of the levee to the LMA in future.					

Photo 1 of 1 : SP_2017_RD0900_230_1_20170327_00001.jpg



View of the new setback levee looking downstream during fall 2014 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	2.26	Rating **	A/W	Issue No.	17
LM End	3.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.555304 °	38.536946 °
				-121.516127 °	-121.519774 °
DWR ID	DWR_RD0900_01_s_2012_17				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

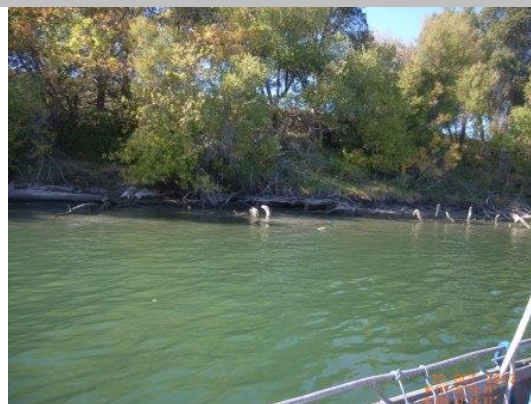
Photo 1 of 1 : SP_2017_RD0900_230_17_20170327_00011.jpg



View of the DWR environmental mitigation site.

LM Start	2.35	Rating **	M	Issue No.	10
LM End	2.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.554277 °	38.552504 °
				-121.515263 °	-121.514752 °
DWR ID	DWR_RD0900_01_s_2016_10				
Comment Code					
Inspector Comment					
2007 - Have good berm width with minor toe erosion. Close to the levee toe protection, but levee slope is steep. 2011 - New large erosion pocket. 2012 - Minor new erosion at the toe. 2015: No observed changes. [2015 Site ID: SAC_56-7_R]					

Photo 1 of 1 : SP_2017_RD0900_230_10_20170327_00008.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	2.55	Rating **	M	Issue No.	9
LM End	2.64	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.551319 °	38.550090 °
				-121.514423 °	-121.513983 °
DWR ID	DWR_RD0900_01_s_2016_9				
Comment Code					
Inspector Comment					
1997 - Low berm is contributing to erosion. Old timber pile dikes above water parallel to bank. The upstream mitigation low berm causes a flow separation at the site. 1999 - Some new localized erosion with less than one foot of bank retreat. 2000 - Some new erosion at the upstream end. Fat toe deposits at toe. 2003 - Some new erosion upstream, but have a wide berm. 2011 - Minor new erosion at toe. 2015: No observed changes. [2015 Site ID: SAC_56-5_R]					

Photo 1 of 1 : SP_2017_RD0900_230_9_20170327_00007.jpg



USACE 2013 Photo #1

LM Start	3.27	Rating **	M	Issue No.	2
LM End	3.48	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.541246 °	38.538689 °
				-121.513561 °	-121.515916 °
DWR ID	DWR_RD0900_01_s_2016_2				
Comment Code					
Inspector Comment					
2008 - Erosion into levee toe. Over steepened levee slope, worst at the upstream end. 2009 - Near vertical banks from rotational slumping, hidden by vegetation. 2010 - Boat sinking more, may be causing eddy scour around it. Difficult to see the vertical slumps due to dense vegetation. 2011 - Minor new erosion at the toe. The paddleboat that was sitting at this site for years has been removed. 2012 - Site extended upstream due to additional erosion. 2015: No observed changes. [2015 Site ID: SAC_55-7_R]					

Photo 1 of 1 : SP_2017_RD0900_230_2_20170327_00002.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	3.32	Rating **	M	Issue No.	972
LM End	3.32	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.540803 °	38.540803 °	
			-121.514255 °	-121.514255 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:37668
DS_ID:17769
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.
FIELD_STRUCT_DESC: 24-inch pipe through the levee, 22.0 feet below the crown. Pump house at the landward toe. Screw gate in landside of the levee. As-built drawing available/found. As-built drawing# 6-13-1100 page 3, January 1933 and USGS River Mile 55.65 &M Manual Sac 116, Revision Year 2011
FS Date: 10/6/2009

LM Start	3.32	Rating **	M	Issue No.	972 (cont)
LM End	3.32	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_37668_68391.jpg



View of concrete structure located on landward side.

Photo 2 of 3 : UCIP_SP_2017_37668_68390.jpg



Pump house located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	3.32	Rating **	M	Issue No.	972 (cont)	
LM End	3.32	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.540803 °	38.540803 °	
				-121.514255 °	-121.514255 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37668						
DS_ID:17769						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.						
FIELD_STRUCT_DESC: 24-inch pipe through the levee, 22.0 feet below the crown. Pump house at the landward toe. Screw gate in landside of the levee. As-built drawing available/found. As-built drawing# 6-13-1100 page 3, January 1933 and USGS River Mile 55.65 &M Manual Sac 116, Revision Year 2011						
FS Date: 10/6/2009						

Photo 3 of 3 : UCIP_SP_2017_37668_68389.jpg



Pipe visible on waterward side visible through dense vegetation.

LM Start	3.32	Rating **	A	Issue No.	61
LM End	3.32	Issue Type +	Ma	Location *	WS
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			38.540738 °	38.540738 °
				-121.514331 °	-121.514331 °
DWR ID	DWR_RD0900_01_s_2017_61				
Comment Code					
P1 : Item inspected visually only. Item was not operated during the inspection.					
Inspector Comment					
AECOM, the contractor who is building the setback levee will remove the pumping plant as part of the setback levee project. As of spring 2017, the pipes are under LMA responsibility section.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	3.41	Rating **	M	Issue No.	4
LM End	3.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.539770 °	38.539770 °
				-121.515276 °	-121.515276 °
DWR ID	DWR_RD0900_01_s_2014_4				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0900_230_4_20170327_00003.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream during spring 2016 inspection.

LM Start	3.41	Rating **	M	Issue No.	4 (cont)
LM End	3.41	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD0900_230_4_20170327_00004.jpg



A slope instability was found on the waterside slope of the levee looking downstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	4.04	Rating **	M	Issue No.	327
LM End	4.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.534759 °	38.534759 °
				-121.524902 °	-121.524902 °
DWR ID	DWR_RD0900_01_s_2012_327				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0900_230_327_20170327_00019.jpg



Concrete debris were found on the landside of the levee looking upstream.

LM Start	4.10	Rating **	M	Issue No.	54
LM End	4.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.534364 °	38.534364 °
				-121.526051 °	-121.526051 °
DWR ID	DWR_RD0900_01_s_2012_54				
Comment Code					
DE : Debris					
Inspector Comment					
Concrete debris with metal posing a safety risk.					

Photo 1 of 1 : SP_2017_RD0900_230_54_20170327_00014.jpg



View of concrete debris with metal looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	4.50	Rating **	M	Issue No.	63
LM End	7.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.530837 °	38.513372 °
				-121.531774 °	-121.554450 °
DWR ID	DWR_RD0900_01_s_2017_63				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0900_230_63_20170511_00031.jpg



View of vegetation on the landside of the levee.

LM Start	4.95	Rating **	M	Issue No.	330
LM End	4.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.524898 °	38.524898 °
				-121.529674 °	-121.529674 °
DWR ID	DWR_RD0900_01_s_2012_330				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0900_230_330_20170327_00020.jpg



Concrete anchor was found on the waterside slope of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	5.39	Rating **	C	Issue No.	335
LM End	5.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.520022 °	38.520022 °
				-121.525899 °	-121.525899 °
DWR ID	DWR_RD0900_01_s _ 2012_335				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are partially blocking the visibility.					

No Photos

LM Start	5.51	Rating **	C	Issue No.	958
LM End	5.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.518988 °	38.518988 °
				-121.527738 °	-121.527738 °
DWR ID	DWR_RD0900_01_s _ 2012_958				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are partially blocking the visibility.					

No Photos

LM Start	5.52	Rating **	C	Issue No.	52
LM End	5.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.518883 °	38.518883 °
				-121.527800 °	-121.527800 °
DWR ID	DWR_RD0900_01_s _ 2012_52				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are partially blocking the visibility.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	5.57	Rating **	N	Issue No.	64
LM End	5.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.518654 °	38.518654 °
				-121.528685 °	-121.528685 °
DWR ID	DWR_RD0900_01_s_2016_64				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0900_230_64_20170327_00018.jpg



View of a tree stump on the landside of the levee looking downstream.

LM Start	5.95	Rating **	M	Issue No.	25
LM End	5.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.517952 °	38.517948 °
				-121.535672 °	-121.535857 °
DWR ID	DWR_RD0900_01_s_2012_25				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are partially blocking the visibility.					

Photo 1 of 1 : SP_2017_RD0900_230_25_20170327_00013.jpg



Elderberry located on the landside of the levee obstructing the view. The picture was taken from the crown looking downstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	6.87	Rating **	M	Issue No.	62
LM End	6.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.514974 °	38.514974 °
				-121.552041 °	-121.552041 °
DWR ID	DWR_RD0900_01_f_2016_62				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0900_230_62_20170327_00017.jpg



View of a rodent hole on the waterside of the levee.

LM Start	7.10	Rating **	M	Issue No.	343	
LM End	7.10	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.512642 °	38.512642 °	
				-121.554881 °	-121.554881 °	
DWR ID	DWR_RD0900_01_s_2012_343					
Comment Code						
DE : Debris						
Inspector Comment						
Concrete debris from old railroad track.						

Photo 1 of 1 : SP_2017_RD0900_230_343_20170327_00023.jpg



Concrete debris from old rail road track was found on the landside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	7.21	Rating **	C	Issue No.	8
LM End	7.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.511104 °	38.511104 °
				-121.555664 °	-121.555664 °
DWR ID	DWR_RD0900_01_s _ 2012_8				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are partially blocking the visibility.					

No Photos

LM Start	7.25	Rating **	C	Issue No.	7
LM End	7.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.510613 °	38.510613 °
				-121.555969 °	-121.555969 °
DWR ID	DWR_RD0900_01_s _ 2012_7				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are partially blocking the visibility.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	7.47	Rating **	M	Issue No.	59
LM End	7.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.507648 °	38.507648 °
				-121.557571 °	-121.557571 °
DWR ID	DWR_RD0900_01_f_2012_59				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arrundo growth on the waterside slope of the levee.					

Photo 1 of 1 : SP_2017_RD0900_230_59_20170511_00032.jpg



View of the arundo on the waterside of the levee during spring 2017 inspection.

LM Start	7.78	Rating **	M	Issue No.	15
LM End	7.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.503490 °	38.503490 °
				-121.559770 °	-121.559770 °
DWR ID	DWR_RD0900_01_f_2013_15				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arrundo on the waterside					

Photo 1 of 2 : SP_2017_RD0900_230_15_20170327_00009.jpg



Updated picture of the arundo on the waterside of the levee during spring 2016 inspection.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	05/10/2017 05/10/2017	Pavel Kazi

LM Start	7.78	Rating **	M	Issue No.	15 (cont)	
LM End	7.78	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.503490 °		38.503490 °
				-121.559770 °		-121.559770 °
DWR ID	DWR_RD0900_01_f_2013_15					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Arrundo on the waterside						

Photo 2 of 2 : SP_2017_RD0900_230_15_20170327_00010.jpg



View of arundo on the waterside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	5.26	05/10/2017 05/10/2017	Pavel Kazi

LM Start	0.03	Rating **	M	Issue No.	40
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.581676 °	38.572882 °
				-121.567685 °	-121.582211 °
DWR ID	DWR_RD0900_02_s_2017_40				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0900_231_40_20170511_00043.jpg



View of the vegetation on the landside of the levee. Spring 2017

LM Start	3.25	Rating **	M	Issue No.	42
LM End	4.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.541139 °	38.520300 °
				-121.582220 °	-121.582140 °
DWR ID	DWR_RD0900_02_s_2017_42				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Landside levee toe road approximately 15 feet wide, and some part landside levee toe is eroded due to the recent 2017 storm.					

Photo 1 of 2 : SP_2017_RD0900_231_42_20170511_00047.jpg



View of an erosion on the landside toe of the levee at levee mile 3.98.

LM Start	3.25	Rating **	M	Issue No.	42 (cont)
LM End	4.68	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD0900_231_42_20170511_00048.jpg



View of an erosion on the landside toe of the levee at levee mile 3.92.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	5.26	05/10/2017 05/10/2017	Pavel Kazi

LM Start	3.26	Rating **	M	Issue No.	15
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.540943 °	38.540943 °
				-121.582280 °	-121.582280 °
DWR ID	DWR_RD0900_02_s_2012_15				
Comment Code					
PI : Pipe					
Inspector Comment					
Recently removed waterward pump. Some pipe, equipment and debris remain.					

Photo 1 of 1 : SP_2017_RD0900_231_15_20170327_00002.jpg



Abandon pipes and debris was found on the landside of the levee looking upstream.

LM Start	4.63	Rating **	M	Issue No.	43
LM End	4.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.521110 °	38.521110 °
				-121.582148 °	-121.582148 °
DWR ID	DWR_RD0900_02_s_2017_43				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
LMA placed a raincoat over a slope instability issue. The LMA is planning on repairing the site soon.					

Photo 1 of 1 : SP_2017_RD0900_231_43_20170511_00046.jpg



View of a slope instability covered by raincoat on the landside slope of the levee looking upstream. Spring 2017

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	5.26	05/10/2017 05/10/2017	Pavel Kazi

LM Start	5.04	Rating **	M	Issue No.	45
LM End	5.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515091 °	38.515091 °
				-121.582178 °	-121.582178 °
DWR ID	DWR_RD0900_02_f_2016_45				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0900_231_45_20170327_00003.jpg



View of debris on the landside shoulder of the levee looking upstream.

LM Start	5.26	Rating **	M	Issue No.	41
LM End	5.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.511915 °	38.511915 °
				-121.582167 °	-121.582167 °
DWR ID	DWR_RD0900_02_s_2017_41				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
The LMA placed a raincoat over a slope instability. They are planning on repairing the site soon.					

Photo 1 of 2 : SP_2017_RD0900_231_41_20170511_00044.jpg



View of a slope instability covered by a raincoat on the landside of the levee looking upstream. Spring 2017

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	5.26	05/10/2017 05/10/2017	Pavel Kazi

LM Start	5.26	Rating **	M	Issue No.	41 (cont)	
LM End	5.26	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.511915 °		38.511915 °
				-121.582167 °		-121.582167 °
DWR ID	DWR_RD0900_02_s_2017_41					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
The LMA placed a raincoat over a slope instability. They are planning on repairing the site soon.						

Photo 2 of 2 : SP_2017_RD0900_231_41_20170511_00045.jpg



An alternate view of the slope instability on the landside of the levee looking downstream. Spring 2017

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---